

# LICENSEE EVENT REPORT

CONTROL BLOCK (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 N Y 1 P S 2 2 0 0 - 0 0 0 0 0 - 6 0 3 4 1 1 1 4 5  
 7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T  
 01 REPORT SOURCE L 6 0 5 0 0 0 2 4 7 7 1 1 1 1 8 1 8 1 2 2 1 8 1 9  
 7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 DURING NORMAL OPERATION, THE NO. 1 SEAL RETURN FLOW FROM NO. 23 RCP  
 03 INCREASED TO GREATER THAN 5 GPM. THE AFFECTED RCP WAS REMOVED FROM  
 04 SERVICE AND THE UNIT WAS SHUTDOWN TO ALLOW INVESTIGATION AND REPAIRS  
 05 TO BE ACCOMPLISHED. NO OTHER RCPs WERE AFFECTED.  
 06  
 07  
 08

09 SYSTEM CODE C B 11 CAUSE CODE E 12 CAUSE SUBCODE H 13 COMPONENT CODE P U M P X X 14 COMP. SUBCODE B 15 VALVE SUBCODE Z 16  
 7 8 9 10 11 12 13 14 15 16  
 17 LER/RO REPORT NUMBER 8 1 EVENT YEAR 21 22 SEQUENTIAL REPORT NO. 0 3 0 27 OCCURRENCE CODE 9 9 28 29 REPORT TYPE X 30 REVISION NO. 0 32  
 33 ACTION TAKEN A 18 FUTURE ACTION Z 19 EFFECT ON PLANT A 20 SHUTDOWN METHOD Z 21 HOURS 0 2 8 22 ATTACHMENT SUBMITTED Y 23 NPR-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER W 1 2 0 26  
 34 35 36 37 38 39 40 41 42 43 44 45 46 47

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 INSPECTION OF THE WESTINGHOUSE RCP, MODEL V 11002-A1, CONTROLLED LEAKAGE  
 11 SEAL REVEALED SCORE MARKS ON THE SEAL RING AND A BROKEN SEAL RUNNER  
 12 ANTI-ROTATION PIN. IT IS NOT CERTAIN WHETHER THE PIN FAILURE WAS THE  
 13 CAUSE OR THE EFFECT OF THE SEAL FAILURE. A NEW SET OF SEALS INCLUDING  
 14 A PIN OF-MODIFIED DESIGN WAS INSTALLED.  
 7 8 9

15 FACILITY STATUS E 28 % POWER 1 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION OPERATOR OBSERVATION 32  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

16 ACTIVITY CONTENT Z 33 RELEASED OF RELEASE Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

17 PERSONNEL EXPOSURES NUMBER 0 3 0 37 TYPE E 38 DESCRIPTION MAIN REM: MAINT. - 10.25, ELECT. SUPPORT = 1.43  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

18 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

19 LOSS OF OR DAMAGE TO FACILITY TYPE 42 DESCRIPTION  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

8201060324 811221  
 PDR ADOCK 05000247  
 S PDR

20 ISSUED Y 44 PRESS RELEASE TO UPI & AP ON 11/11/81  
 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

RICHARD DAVISSON

NRC USE ONLY

526-5170

Attachment I

Docket No. 05000247  
Ler No. 81-030/99x-0

Consolidated Edison Co. Of N.Y., Inc.  
Indian Point Station, Unit 2

During normal operation, the No. 1 seal flow from No. 23 RCP increased to greater than 5 GPM and the thermal barrier differential pressure decreased from 70 psi to 10 psi. The RCP was shut down and the unit brought to a shut down condition for repairs to the RCP.

The disassembly of the 23 RCP seal package revealed score marks on the seal ring and a broken seal runner anti-rotation pin. It is probable that foreign material got into the seals and caused the failure. The seal ring was difficult to remove during disassembly. It is not certain whether the anti-rotation pin failure was a cause or effect of the seal failure. A new set of seals was installed. The replacement anti-rotation pin was of the newer, modified design (cross-section and material change from 304ss to 17-4 ph steel).